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## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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| <b>(51) International Patent Classification 6 :</b><br><b>C11D 3/22, 3/43, A61L 9/01, A01N 31/00, C11D 17/08, 11/00, 17/00, 3/00, A61K 7/16, 7/06</b>   | <b>A1</b>   | <b>(11) International Publication Number: WO 99/31211</b><br><b>(43) International Publication Date: 24 June 1999 (24.06.99)</b> |
| <b>(21) International Application Number: PCT/US98/24532</b><br><b>(22) International Filing Date: 17 November 1998 (17.11.98)</b><br><b>(30) Priority Data:</b><br>08/992,150 17 December 1997 (17.12.97) US<br><b>(71) Applicant: HERCULES INCORPORATED [US/US]; Hercules Plaza, 1313 North Market Street, Wilmington, DE 19894-0001 (US).</b><br><b>(72) Inventor: MODI, Jashawant, J.; 57 Raphael Road, Bella Vista, Hockessin, DE 19707 (US).</b><br><b>(74) Agent: EDWARDS, David; Hercules Incorporated, Hercules Plaza, 1313 North Market Street, Wilmington, DE 19894-0001 (US).</b>   | <b>(81) Designated States:</b> AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).<br><br><b>Published</b><br><i>With international search report.</i> |  |
| <b>(54) Title: HYDROPHOBICALLY MODIFIED POLYSACCHARIDES IN HOUSEHOLD PREPARATIONS</b><br><b>(57) Abstract</b><br><p>A household preparation product composition is composed of from about 0.1 % to about 99 % by weight of a vehicle system which comprises a hydrophobically modified water soluble polysaccharide polymer which comprises a water soluble polysaccharide polymer backbone, a hydrophobic moiety of 1) 3-alkoxy-2-hydroxypropyl group wherein the alkyl moiety is a straight or branched chain having 3-24 carbon atoms, or 2) C<sub>3</sub>-C<sub>24</sub> alkyl, aryl alkyl, alkyl aryl groups and mixtures thereof, wherein the hydrophobic moiety is present in an amount up to the amount which renders said polysaccharide less than 1 % by weight soluble in water, and at least one other household care ingredient. The composition can be used in a wide range of cleaning, polishing, sanitizing, pesticidal and toilet preparation applications such as air deodorants/fresheners, rug and upholstery shampoos, insect repellent lotions, children's bubble-making solutions, pet care products such as shampoos and deodorizer, soap bar and institutional liquid soap, all purpose kitchen cleaner and disinfectants, toilet bowl cleaners, fabric softener-detergent, fabric softener, fabric sizing agents, dishwashing detergents, vehicle cleaners and shampoos.</p> |   |  |